

IntelliBallance - Huawei

Modbus Forbindelsesvejledning

Trin 1: Log ind på FusionSolar

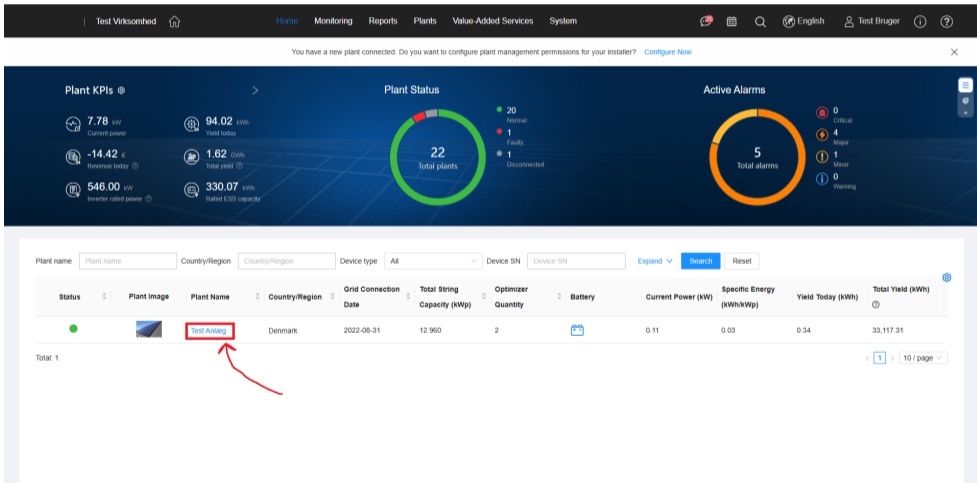
Åbn din webbrowser og gå til FusionSolar. Indtast dit brugernavn og adgangskode.





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Trin 2: Klik på dit anlæg

Klik på dit anlægsnavn fra listen. Hvis din side ser meget anderledes ud, spring til trin 3.



The screenshot displays a solar monitoring dashboard. At the top, there is a navigation bar with options like 'Home', 'Monitoring', 'Reports', 'Plants', 'Value-Added Services', and 'System'. A notification banner states: 'You have a new plant connected. Do you want to configure plant management permissions for your installer? [Configure Now](#)'. Below this, the dashboard is divided into three main sections: 'Plant KPIs', 'Plant Status', and 'Active Alarms'. The 'Plant KPIs' section shows metrics such as Current power (7.78 kW), Revenue today (-14.42 €), and Inverter rated power (546.00 kW). The 'Plant Status' section features a donut chart showing 22 total plants, with a legend indicating 20 Normal, 1 Faulty, and 1 Disconnected. The 'Active Alarms' section shows 5 total alarms, categorized as 0 Critical, 4 Major, 1 Minor, and 0 Warning. Below these sections is a search and filter interface for plants, including fields for Plant name, Country/Region, Device type, and Device SN. A table lists the plants with columns for Status, Plant Image, Plant Name, Country/Region, Grid Connection Date, Total String Capacity (kWp), Optimizer Quantity, Battery, Current Power (kW), Specific Energy (kWh/kWp), Yield Today (kWh), and Total Yield (kWh). The first row in the table shows a plant with a green status icon, a plant image, and the name 'Test Anlæg' highlighted with a red box and a red arrow pointing to it. The table footer indicates 'Total: 1' and a pagination control for '10 / page'.

Status	Plant Image	Plant Name	Country/Region	Grid Connection Date	Total String Capacity (kWp)	Optimizer Quantity	Battery	Current Power (kW)	Specific Energy (kWh/kWp)	Yield Today (kWh)	Total Yield (kWh)
●		Test Anlæg	Denmark	2022-08-31	12.960	2		0.11	0.03	0.34	33.117.31

Trin 3: Åbn anlægsenheder

Kig på venstre side af skærmen. Klik på pilen for at udvide listen.

The screenshot shows the IntelliBallance - Huawei monitoring interface. At the top, there is a navigation bar with options like Home, Monitoring, Reports, Plants, Value-Added Services, and System. A notification banner at the top center says "You have a new plant connected. Do you want to configure plant management permissions for your installer? Configure Now".

On the left side, there is a search bar "Enter a plant name" and a list of plants. The plant "Test Anlæg" is highlighted in blue, and a red arrow points to a small red square icon next to it, which is a toggle for expanding the list.

The main content area displays the "Test Anlæg" dashboard. It includes a weather widget showing "-2--1 °C" and "Blowing snow". Below this, there are four key performance indicators (KPIs):

- Yield today: 0.00 kWh
- Total yield: 33.12 MWh
- Consumption today: 5.33 kWh
- Consumed from PV: 0.00 kWh

The dashboard also features a "Live Data" section with a diagram showing energy flow between PV, Battery, and Load. Key metrics include:

- Standard coal saved: 13.30 (tons)
- CO₂ avoided: 5.02 (tons)
- Equivalent trees planted: 7

On the right, there is an "Alarm" section showing 0 alarms across different levels (Critical, Major, Minor, Warning). Below the alarms, there is a table of plant details:

Plant address	Test, Test, Danmark
Total string capacity	12.960 kWp
Grid connection date	2022-08-31
Negative Rate Optimization	<input type="checkbox"/>
Energy Management Assistant	<input type="checkbox"/>

At the bottom, there are two summary cards: "Energy Management" and "Revenue". The "Energy Management" card shows generated and consumed energy for different sources. The "Revenue" card shows a total revenue of 82.45 kr.

Trin 4: Klik på din dongle

I enhedslisten til venstre, klik på din dongle, i dette eksempel hedder den **Dongle-1**.

The screenshot shows the Huawei IntelliBallance monitoring interface. The top navigation bar includes 'Test Virksomhed', 'Home', 'Monitoring', 'Reports', 'Plants', 'Value-Added Services', and 'System'. A notification at the top states: 'You have a new plant connected. Do you want to configure plant management permissions for your installer? Configure Now'. The left sidebar shows a tree view under 'Test Anlæg' with 'Dongle-1' highlighted in a red box. A red arrow points from this box to the 'Subordinate Devices' table. The main panel displays the details for 'Dongle-1'.

Subordinate Devices

Device Status	Device Type	Device Model	Software Version	SN
Connected	Inverter	SUN2000-10KTL-M1	V100R001C00SPC174	INVERTERSN1234

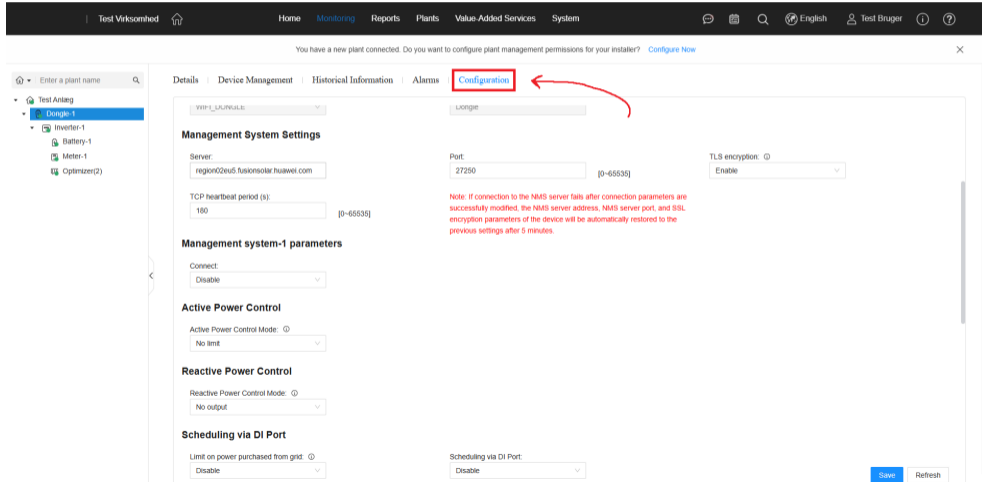
Total 1 < 1 > 5 / page

Basic Information

Device name	Dongle-1	Device type	Dongle	SN	DONGLESN1234
Device replacement record	DONGLESN2234	Model	SDongleA-05	Software version	V200R025C00SPC110
Monitoring hardware version	B				

Trin 5: Klik på fanen Konfiguration

Øverst på siden, klik på fanen der hedder **Configuration**.



The screenshot displays the Huawei IntelliBallance web interface. At the top, a navigation bar includes 'Test Virksomhed', 'Home', 'Monitoring', 'Reports', 'Plants', 'Value-Added Services', and 'System'. A notification banner reads: 'You have a new plant connected. Do you want to configure plant management permissions for your installer? Configure Now'. The left sidebar shows a tree view with 'Test Anlæg' expanded to 'Dongle-1', which includes 'Inverter-1', 'Battery-1', 'Meter-1', and 'Optimizer(2)'. The main content area has tabs for 'Details', 'Device Management', 'Historical Information', 'Alarms', and 'Configuration'. The 'Configuration' tab is selected and highlighted with a red box and a red arrow. Below the tabs, there are dropdown menus for 'WIFI_LAN/WLAN' (set to 'Longe') and 'Server' (set to 'region02eu5.fusionsolar.huawei.com'). The 'Management System Settings' section includes fields for 'Port' (27250), 'TCP heartbeat period (s)' (180), and 'TLS encryption' (Enable). A red note states: 'Note: If connection to the NMS server fails after connection parameters are successfully modified, the NMS server address, NMS server port, and SSL encryption parameters of the device will be automatically restored to the previous settings after 5 minutes.' The 'Management system-1 parameters' section has a 'Connect.' dropdown set to 'Disable'. The 'Active Power Control' section has 'Active Power Control Mode' set to 'No limit'. The 'Reactive Power Control' section has 'Reactive Power Control Mode' set to 'No output'. The 'Scheduling via DI Port' section has 'Limit on power purchased from grid' and 'Scheduling via DI Port' both set to 'Disable'. At the bottom right, there are 'Save' and 'Refresh' buttons.

Trin 6: Udfyld indstillingerne

Scroll ned til **Management system-1 parameters**. Hvis du ikke har **Management system-1 parameters** er din dongle ikke kompatibel med denne runde af IntelliBalance-test. Hvis denne sektion er til stede, udfyld disse felter:

Connect	Server	Port	TLS encryption
Enable	imb.stag.intellicharge.ai	30002	Disable

Test Virksomhed

Home Monitoring Reports Plants Value-Added Services System

English Test Brugler

You have a new plant connected. Do you want to configure plant management permissions for your installer? [Configure Now](#)

Enter a plant name

Test Anlæg

Dongle-1

Inverter-1

Battery-1

Meter-1

Optimizer(2)

Details | Device Management | Historical Information | Alarms | **Configuration**

WIFI_RULE: Luongie

Management System Settings

Server: region02eus.fusionsolar.huawei.com

Port: 27250 [0-65535]

TLS encryption: Enable

TCP heartbeat period (s): 180 [0-65535]

Management system-1 parameters

Connect: Enable

Server: imb.stag.intellicharge.ai

Port: 30002 [1-65535]

TLS encryption: Disable

Management system status: Connection Successful

Server IP address: 95.217.170.200

Active Power Control

Note: If connection to the NMS server fails after connection parameters are successfully modified, the NMS server address, NMS server port, and SSL encryption parameters of the device will be automatically restored to the previous settings after 5 minutes.

Trin 7: Gem

I nederste højre hjørne, klik på den blå Save knap.

Management system-1 parameters

Connect:

Enable

TLS encryption:

Disable

Active Power Control

Server:

imb.stag.intellicharge.ai

Management system status:

Connection Successful

Port:

30002

[1-65535]

Server IP address:

95.217.170.200

Save

Refresh

Færdig!

Dit system skulle nu være forbundet!